INVENTOR SEARCH RESULTS:

Inventor: PARK J M H; PARK M H

```
2 de
Set
       Items
               Description
S1
      109077 AU=(PARK, J? OR PARK J?)
S2
       3822 MASTODON? ? OR MAMMOTH? ? OR STEGODON? ?
S3
          1 S1 AND S2
S4
       45538 (NATURAL OR HOLISTIC OR COMPLEMENTARY OR ALTERNATIVE OR IN-
               TEGRATIVE OR UNCONVENTIONAL OR HERBAL?)()(MEDICINE OR
              TREATMENT? ? OR REMEDY OR REMEDIES)
S5
         109
              S1 AND S4
       58980
              IC=A61H?
S6
S7
          76
               S1 AND S6
58
          1
              S2 AND S6
             HEAL? ? OR HEALING OR HEALED OR THERAPY OR THERAPIES OR
59
     6526962
               THERAPEUTIC? OR REVITALIZ? OR HOMEOPATH? OR HYDROTHERAP? OR
               SAUNA? ? OR HOT() (BATH? OR BOX OR BOXES OR WRAP? ?) OR
               AROMATHERAP?
S10
        7187 S1 AND S9
S11
          49
             S10 AND S4
? show files
File 350:Derwent WPIX 1963-2011/UD=201118
        (c) 2011 Thomson Reuters
File 35:Dissertation Abs Online 1861-2011/Feb
        (c) 2011 ProQuest Info&Learning
File 65:Inside Conferences 1993-2011/Mar 22
        (c) 2011 BLDSC all rts. reserv.
File 155:MEDLINE(R) 1950-2011/Mar 21
        (c) format only 2011 Dialog
     6:NTIS 1964-2011/Mar W4
File
        (c) 2011 NTIS, Intl Cpyrght All Rights Res
File
     8:Ei Compendex(R) 1884-2011/Mar W3
        (c) 2011 Elsevier Eng. Info. Inc.
File 2:INSPEC 1898-2011/Mar W2
        (c) 2011 The IET
File
     5:Biosis Previews(R) 1926-2011/Mar W2
        (c) 2011 The Thomson Corporation
8/25/1 (Item 1 from file: 350)
DIALOG(R)File 350: Derwent WPIX
(c) 2011 Thomson Reuters. All rights reserved.
0013085462 Drawing available
WPI Acc no: 2003-166075/200316
XRAM Acc no: C2003-043071
XRPX Acc No: N2003-131159
Device useful for providing therapeutic healing contains a lower
mat, an upper cover, at least one herb essence supplier and an
air pump
Patent Assignee: PARK J M H (PARK-I); PARK M H (PARK-I)
```

Pat	ent	Family	(2 pa	atents, 2	countr:	ies)
Pa	tent	Number	Kind	Date	Update	Type
US	2002	20160057	A1	20021031	200316	В
KR	2002	2082700	A	20021031	200319	E

Local Applications (no., kind, date): US 2001900262 A 20010707; KR 200122428 A 20010425

Priority Applications (no., kind, date): KR 200122428 A 20010425 Alerting Abstract US Al

NOVELTY - A device (D1) contains a lower mat (3), an upper cover (2), at least one herb essence supplier (41-44) and an air pump (30). (2) is coupled to (3) to form an interior space for placing the body. (41-44) Has an inlet and an outlet, the outlet in gaseous communication with the interior space provides herb essence to the interior space. (30) Is connected to the inlet of (41-44) for supplying air to the interior space. DESCRIPTION - An INDEPENDENT CLAIM is also included for a device (D2) for eliminating poisons and pollutants from the human body and for revitalizing cells, comprising (2), (3), (41-44) or (30). (2) Is adjustable in different temperature and forms a first five-primary substance stone coating layer; (3) is adjustable in different temperature and forms vibrators and a second fiveprimary substance stone coating layer; (2) and (3) form an interior space; (41-44) are connected to the interior space formed by the (2) and (3), (41-44) have a discharge outlet connected to the interior space; (30) is connected to (41-44) for supplying air.

USE — For eliminating poisons and pollutants from the human body and for revitalizing cells; for preventing numerous diseases generated by the pollution of blood and water or the destruction of cells in the human body.

ADVANTAGE - The device reproduce new activated cells and increase immunity against disease by enhancing disease preventing capability and natural healing power.

 ${\tt DESCRIPTION}$ OF DRAWINGS - The figure shows perspective view of a device.

- 2 Upper cover
- 3 Lower mat
- 30 Air pump
- 41-44 Herb essence suppliers.

NPL BIBLIO SEARCH RESULTS:

? ds

Set	Items	Description
S1	28059	MASTODON? ? OR MAMMOTH? ? OR STEGODON? ? OR (PRIMITIVE OR
		PLEISTOCENE OR MIOCENE OR LAST()ICE)()(AGE OR ERA OR YEAR?
		OR PERIOD? ? OR TIME)
S2	22467109	BONE? ? OR VERTEBRA? OR RIB? ? OR FOSSIL? ? OR TUSK? ? OR
		SCAPULA? ? OR HUMERUS OR ULNA OR HIP()JOINT? ? OR FEMUR? ?

S	3 211789	MICA? ? OR SHEET()SILICATE OR PHYLLOSILICATE OR (GLITTER?
S	4 102875	
		MAGNET? ?
S		ELVAN? ? OR QUARTZ()PORPHYRY OR PORPHYRIT?()ROCK? ? HEMATITE OR HAEMATITE OR IRON()OXIDE OR RED()STONE(2N)(DAI ()COUNTRY) OR FULCRUM()STONE? ? OR HAEMATITUM
S	7 12450445	
S	8 152127	(NATURAL OR HOLISTIC OR COMPLEMENTARY OR ALTERNATIVE OR IN- TEGRATIVE OR UNCONVENTIONAL OR HERBAL? OR MEDICINAL)() (MEDICINE OR TREATMENT? ? OR REMEDY OR REMEDIES)
S	9 2176	S1(7N)S2
S	10 1	S7:S8(5N)S9
	11 470	REMEDY OR REMEDIES OR PHARMA? OR THERAP?)(S)(S1 OR MAMMUTH?)
	12 38	
		RD (unique items) S7:S8(7N)S3
	15 0	
	16 0	
		S7:S8(7N)S4
	18 0	
	19 554	
	20 0	
S	21 0	
S	22 2112382	(THERAP? OR MEDICIN? OR PHARMA?)(5N)(METHOD? ? OR PROCESS? OR SUBSTANC? OR COMPOUND? ? OR COMPONENT? ? OR ELEMENT? ?)
S	23 134	
S	24 120	RD (unique items)
	show files	
F		INE(R) 1950-2011/Mar 21 Format only 2011 Dialog
F	ile 5:Biosi	is Previews(R) 1926-2011/Mar W2 2011 The Thomson Corporation
F	ile 8:Ei Co	ompendex(R) 1884-2011/Mar W3 2011 Elsevier Eng. Info. Inc.
F		1964-2011/Mar W4 2011 NTIS, Intl Cpyrght All Rights Res
F	ile 2:INSPE	EC 1898-2011/Mar W2
	(c) 2	ngineering Abstracts 1966-2007/Jan 2007 CSA.
	(c) 2	al 1973-2011/Mar W2 2011 INIST/CNRS
	(c) 2	ife Sciences Abstracts 1966-2011/Mar 2011 CSA.
	(c) 2	Technology Research Database 1963-2011/Mar 2011 CSA.
	(c) 2	-Technology & Management 1989-2010/Oct W3 2010 FIZ TECHNIK
	(c) 2	rends 1982-2011/Mar W2 2011 Info.Sources Inc. All rights res.
	(c) 2	ertation Abs Online 1861-2011/Feb 2011 Proquest Info&Learning
	(c) 2	de Conferences 1993-2011/Mar 22 2011 BLDSC all rts. reserv.
F		ical Education Index 1990-2011/Mar 2011 CSA.

```
File 164:Allied & Complementary Medicine 1984-2011/Mar
          (c) 2011 BLHCIS
File 167: Medical Device Register (R) 1999
         (c) 2006 The Thomson Corporation
File 10:AGRICOLA 70-2011/Mar
         (c) format only 2011 Dialog
File 292:GEOBASE(TM) 1980-2011/Mar W3
         (c) 2011 Elsevier B.V.
File 203:AGRIS 1974-2011/Feb
         Dist by NAL, Intl Copr. All rights reserved
File 99:Wilson Appl. Sci & Tech Abs 1983-2011/Feb
         (c) 2011 The HW Wilson Co.
File 50:CAB Abstracts 1972-2011/Mar W3
         (c) 2011 CAB International
File 98:General Sci Abs 1984-2011/Feb
         (c) 2011 The HW Wilson Co.
File 399:CA SEARCH(R) 1967-2010/UD=15413
         (c) 2011 American Chemical Society
File 972:EMBASE 1947-2011/Mar 22
         (c) 2011 Elsevier B.V.
File 71:ELSEVIER BIOBASE 1994-2011/Mar W3
         (c) 2011 Elsevier B.V.
File 74:Int.Pharm.Abs 1970-2011/Mar B2
         (c) 2011 The Thomson Corporation
File 369:NEW SCIENTIST 1994-2010/JAN W5
         (c) 2010 REED BUSINESS INFORMATION LTD.
File 45:EMCare 2011/Mar W3
         (c) 2011 Elsevier B.V.
File 315: ChemEng & Biotec Abs 1970-2011/Apr
         (c) 2011 DECHEMA
File 357; Derwent Biotech Res. 1982-2011/Nov W4
         (c) 2011 Thomson Reuters
File 32:METADEX 1966-2011/Mar
         (c) 2011 CSA.
File 36:MetalBase 1965-20110322
        (c) 2011 The Thomson Corporation
File 89:GeoRef 1785-2011/Feb B2
       (c) 2011 American Geological Institute
Dialog eLink: USP 10 Full lock Respectations
13/5/2 (Item 2 from file: 155)
DIALOG(R) File 155: MEDLINE(R)
(c) format only 2011 Dialog. All rights reserved.
17643356
             PMID: 16819180
```

In vivo characterization of sedative activities of Fossilia Mastodi OSSIS.

Ha Jeoung-Hee; Lee Maan-Gee; Chang Soo-Min; Lee Jae-Tae Department of Pharmacology, School of Medicine, Kyungpook National University, Taegu, Republic of Korea. jhha4834@mail.knu.ac.kr
Biological & pharmaceutical bulletin (Japan) Jul 2006 , 29
(7) p1414-7 , ISSN: 0918-6158--Print 0918-6158--Linking Journal Code: 9311984
Publishing Model Print

Document type: Journal Article; Research Support, Non-U.S. Gov't

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed Subfile: INDEX MEDICUS: Toxbib

Fossilia Mastodi OSSIS, which is a skeletal fossil of a Mastodon, an ancient mammal, has been found to have anxiolytic, sedative and anticonvulsant activities in Oriental medicine. In this study, in vivo characterization of the sedative activities of Fossilia Mastodi OSSIS was performed in order to obtain basic information for the development of a putative natural sedative. The 80% methanol extract of Fossilia Mastodi OSSIS given per os at a dose of 3 g/kg in mice showed anxiolysis, potentiation of pentobarbital sleeping time, reduced locomotor activity, and anticonvulsive activity. Fossilia elicited GABA(A) receptormediated anxiolysis. The data obtained suggest that the 80% methanol extract of Fossilia Mastodi OSSIS contains some biologically active principles with sedative activity.

Tags: Male

Descriptors: *Fossils; *Hypnotics and Sedatives -- pharmacology --PD: *Sleep--drug effects --DE: *Sleep--physiology--PH: *Tissue Extracts--pharmacology--PD; Animals; Diazepam--pharmacology--PD; Mammals; Mice; Mice, Inbred ICR; Motor Activity--drug effects--DE; Pentobarbital; Picrotoxin--toxicity--TO; Seizures--chemically induced--CI

CAS Registry No.: 0 (Hypnotics and Sedatives); 0 (Tissue Extracts); 124-87-8 (Picrotoxin); 439-14-5 (Diazepam); 76-74-4 (Pentobarbital)

Record Date Created: 20060704 Record Date Completed: 20060913

USPTO Full Text Plentieval Cultions Dialog eLink:

13/5/8 (Item 4 from file: 5)

DIALOG(R)File 5: Biosis Previews(R)

(c) 2011 The Thomson Corporation. All rights reserved.

12486236 Biosis No.: 199497507521 Spondyloarthropathy in proboscideans

Author: Rothschild Bruce M (Reprint); Wang Xiaoming; Shoshani Jeheskel

Author Address: Carnegie Museum Nat. History, Pittsburgh, PA

15213. USA**USA

Journal: Journal of Zoo and Wildlife Medicine 25 (3): p 360-

366 1994 1994 ISSN: 1042-7260

Document Type: Article Record Type: Abstract Language: English

Abstract: Noting the common occurrence of arthritis in

contemporary elephants, a skeletal study was undertaken to assess

the frequency and nature of the affliction. Spondyloarthropathy was unequivocally diagnosed in mammoths (Mammuthus primigenius) and contemporary elephants on the basis of fusion of vertebral bodies with marginal syndesmophytes, zygoapophyseal joint fusion, and peripheral erosive arthritis and fusion and was easily distinguished from infectious spondylitis and diffuse idiopathic skeletal hyperostosis. Vertebral involvement was limited in distribution, in a pattern characteristic of human psoriatic arthritis and Reiter's syndrome, also referred to as reactive arthritis. Infectious diarrhea or sexually transmitted reactive arthritis are the most likely candidates for this phenomenon, as recognized in elephants and mammoths, which affords a unique opportunity for therapeutic intervention.

DESCRIPTORS:

Major Concepts: Ecology—Environmental Sciences; Evolution and Adaptation; Paleobiology; Pathology; Skeletal System—Movement and Support; Veterinary Medicine— Medical Sciences

Biosystematic Names: Elephantidae--Proboscidea, Mammalia, Vertebrata, Chordata, Animalia

Organisms: elephant (Elephantidae); Mammuthus primigenius (Elephantidae)

Common Taxonomic Terms: Animals; Chordates; Elephants; Mammals; Nonhuman Vertebrates; Nonhuman Mammals; Vertebrates Time: Archean; Pleistocene

Miscellaneous Terms: Concept Codes: DIAGNOSIS; EVOLUTION; REACTIVE ARTHRITIS; SEXUALLY TRANSMITTED DISEASE; Fossil

Dialog eLink: USPTO Full Text Retrieval Options

24/5/2 (Item 2 from file: 155)
DIALOG(R)File 155: MEDLINE(R)
(c) format only 2011 Dialog. All rights reserved.

36555212 PMID: 20732712

The use of magnetite nanoparticles for implant-assisted magnetic drug targeting in thrombolytic therapy.

Kempe Henrik; Kempe Maria; Snowball Ian; Wallen Rita; Arza Carlos Rodriquez; Gotberg Matthias; Olsson Tommy

Biomedical Polymer Technology, Department of Experimental Medical Science, Lund University, BMC D11, SE-22184 Lund, Sweden.

Biomaterials (England) Dec 2010 , 31 (36) p9499-510 , ISSN: 1878-5905--Electronic 0142-9612--Linking Journal Code: 8100316

Publishing Model Print-Electronic; Erratum in Biomaterials. 2011 Feb;32(6):1767 Note Snowball, Ian [added]; Wallen, Rita [added]; Arza, Carlos Rodriguez [added]; Gotberg, Matthias [added] Olsson, Tommv [added]

Document type: Journal Article; Research Support, Non-U.S. Gov't Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed Subfile: INDEX MEDICUS; Toxbib

Implant-assisted targeting of magnetic particles under the influence of an external magnetic field has previously been verified through mathematical modeling, in vitro studies, and in vivo studies on rat carotid arteries as a feasible method for localized drug delivery. The present study focuses on the development of nanoparticles for the treatment of in-stent thrombosis. Magnetic nanoparticles in the size-range 10-30 nm were synthesized in a one-pot procedure by precipitation of ferrous hydroxide followed by oxidation to magnetite. The nanoparticles were silanized with tetraethyl orthosilicate in the presence of triethylene glycol and/or polyethylene glycol. The surface coated magnetite nanoparticles were activated with either N-hydroxysulfosuccinimide or tresyl chloride for covalent immobilization of tissue plasminogen activator (tPA). Hysteresis loops showed saturation magnetizations of 55.8, 44.1, and 43.0 emu/g for the naked nanoparticles, the surface coated nanoparticles, and the tPA-nanoparticle conjugates, respectively. The hemolytic activity of the nanoparticles in blood was negligible. An initial in vivo biocompatibility test in pig, carried out by intravascular injection of the nanoparticles in a stented brachial artery, showed no short-term adverse effects. In vitro evaluation in a flow-through model proved that the nanoparticles were captured efficiently to the surface of a ferromagnetic coiled wire at the fluid velocities typical for human arteries. A preliminary test of the tPA-nanoparticle conjugates in a pig model suggested that the conjugates may be used for treatment of in-stent thrombosis in coronary arteries. Copyright (c) 2010 Elsevier Ltd. All rights reserved.

Tags: Female

Descriptors: *Drug Delivery Systems--methods--MT; *Implants, Experimental; *Magnetics-- methods--MT; *Magnetite Nanoparticles--therapeutic use --TU; *Thrombolytic Therapy--methods--MT; Animals; Enzymes, Immobilized--metabolism--ME; Erythrocytes-- pathology--PA; Hemolysis; Humans; Magnetite Nanoparticles-- chemistry--CH; Magnetite Nanoparticles--ultrastructure--UL; Materials Testing; Rats; Spectroscopy, Fourier Transform Infrared; Surface Properties; Sus scrofa; Tissue Plasminogen Activator--metabolism--ME

Dialog eLink:

24/5/4 (Item 4 from file: 155) DIALOG(R)File 155: MEDLINE(R) (c) format only 2011 Dialog. All rights reserved.

36349452 PMID: 20210609

On the optimal choice of the exposure conditions and the nanoparticle features in magnetic nanoparticle hyperthermia.

Bellizzi Gennaro; Bucci Ovidio M

Dipartimento di Ingegneria Biomedica, Elettronica e delle Telecomunicazioni Universita di Napoli Federico II, 80125 Napoli, Italia.

International journal of hyperthermia - the official journal of European Society for Hyperthermic Oncology, North American Hyperthermia Group (England) 2010 , 26 (4) p389-403 , ISSN: 1464-5157--Electronic 0265-6736--Linking Journal Code: 8508395

Publishing Model Print

Document type: Journal Article; Research Support, Non-U.S. Gov't Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed
Subfile: INDEX MEDICUS; Toxbib

PURPOSE: Two points are particularly relevant for the clinical use of magnetic nanoparticle hyperthermia: the optimisation of both the exposure conditions and the magnetic nanoparticle characteristics, and the assessment of the limits of scalability of the treatment. To answer these two points a criterion for the individuation of the magnetic field parameters and of the magnetic nanoparticle features that minimise the therapeutic concentration of nanoparticles to be used in magnetic nanoparticle hyperthermia is developed. METHODS: The proposed criterion is based on the estimation of the levels of heat generation rate, due to the electromagnetic field, to be supplied to both the cancerous and the neighbouring healthy tissues for achieving the therapeutic heating of the tumour with a desired degree of spatial selectivity. These quantities are determined by exploiting the Pennes bioheat transfer model. RESULTS: The reliability of the criterion has been proven by means of an extensive numerical analysis, performed by considering tumours of spherical shape embedded in tissues of cylindrical shape. Several cases, including tumours of different sizes and position have been considered. CONCLUSIONS: By exploiting the proposed criterion a study of the clinical scalability of the therapeutic approach is presented.

Descriptors: *Hyperthermia, Induced--methods--MT; *Magnetite Nanoparticles --therapeutic use--TU; *Models, Biological; *Neoplasms-- therapy--TH; *Radio Waves--therapeutic use--TU; Algorithms; Body Temperature--radiation effects--RE; Electromagnetic Fields; Hot Temperature; Humans; Magnetite Nanoparticles--administration and dosage--AD; Magnetite Nanoparticles--chemistry--CH; Neoplasms--pathology --PA; Particle Size; Thermal Conductivity

Dialog eLink: (ISP10 Full fext Retrieval Options

24/5/16 (Item 16 from file: 155) DIALOG(R)File 155: MEDLINE(R) (c) format only 2011 Dialog. All rights reserved.

18625431 PMID: 18093468

Magnetic nanoparticles: prospects in cancer imaging and therapy.

Tang Monica; Russell Pamela J; Khatri Aparajita Oncology Research Centre, Prince of Wales Hospital, Level 2, Clinical Sciences Building, Barker St., Randwick, NSW 2031, Australia Discovery medicine (United States) Jun 2007 , 7 (38) p68-74 ISSN: 1944-7930--Electronic 1539-6509--Linking Journal Code: 101250006 Publishing Model Print Document type: Journal Article Languages: ENGLISH Main Citation Owner: NLM Record type: MEDLINE: Completed Subfile: INDEX MEDICUS; Toxbib Nanotechnology based on the use of submicronic particles of inorganic and/or organic origin has the potential to revolutionalize the clinical management of cancer; the possibility of real time monitoring of disease progression and effects of therapy is now real. Especially, iron oxide super paramagnetic nanoparticles have shown clinical utility in cancer imaging and drug delivery and some formulations are now FDAapproved for use in the clinic. The prospects of magnetic nanoparticles in cancer imaging and treatment are reviewed. Descriptors: *Antineoplastic Agents; *Drug Carriers -- chemistry --CH; *Magnetics; *Metal Nanoparticles--diagnostic use--DU; *Metal Nanoparticles--therapeutic use --TU; *Neoplasms--diagnosis--DI; *Neoplasms -- drug therapy -- DT ; Animals; Antineoplastic Agents -administration and dosage -- AD; Antineoplastic Agents -- therapeutic use--TU; Ferric Compounds --chemistry--CH; Humans; Metal Nanoparticles -- chemistry -- CH; Nanotechnology

CAS Registry No.: 0 (Antineoplastic Agents); 0 (Drug Carriers); 0

(Ferric Compounds); 1309-37-1 (ferric oxide) Dialog eLink: USPTO Full Text Retrieval Options

24/5/30 (Item 2 from file: 8)
DIALOG(R)File 8: Ei Compendex(R)
(c) 2011 Elsevier Eng. Info. Inc. All rights reserved.

1210918986 E.I. COMPENDEX No: 20102613041463 Magnetite nanoparticles with high heating efficiencies for application in the hyperthermia of cancer

Li, Zhixia; Kawashita, Masakazu; Araki, Norio; Mitsumori, Michihide; Hiraoka, Masahiro; Doi, Masaaki Corresp. Author/Affil: Li, Z.: Graduate School of Biomedical Engineering, Tohoku University, 6-6-11-1306-1, Aramaki-Aoba, Aoba-ku, Sendai, 980-8579, Japan Corresp. Author email: zhixia@ecei.tohoku.ac.jp Materials Science and Engineering C (Mater. Sci. Eng. C) (

Materials Science and Engineering C (Mater. Sci. Eng. C) (United Kingdom) 2010 30/7 (990-996)

Publication Date: 20100830 Publisher: Elsevier Ltd

ISSN: 0928-4931

Publisher Item Identifier: S0928493110001128

Item Identifier (DOI): 10.1016/j.msec.2010.04.016

Document Type: Article; Journal Record Type: Abstract

Language: English Summary Language: English

Number of References: 34

Magnetic hyperthermia is a safe method for cancer therapy. A gap-type alternating current magnetic field (100 kHz, 100-300 Oe) is expected to be clinically applicable for magnetic hyperthermia. In this study, magnetite nanoparticles (MNPs) varying in size from 8 to 413 nm were synthesized using a chemical coprecipitation and an oxidation precipitation method to find the optimum particle size that shows a high heating efficiency in an applied magnetic field. The particles' in vitro heating efficiency in an agar phantom at an MNP concentration of 58 mg Fe/ml was measured in an applied magnetic field. In a magnetic field of 120 Oe, the temperature increase (DeltaT) of the agar phantom within 30 s was 9.3 (deg)C for MNPs with a size of 8 nm, but was less for the other samples, while in a magnetic field of 300 Oe, DeltaT = 55 (deg)C for MNPs with a size of 24 nm, and DeltaT = 25 (deg)C for MNPs with a size of 8 nm. The excellent heating efficiency of MNPs with a size of 24 nm in a magnetic field of 300 Oe may be due to a combination of the effects of both relaxation and hysteresis losses of the magnetic particles. It is believed that MNPs with a size of 8-24 nm will be useful for the in situ hyperthermia treatment of cancer. (c)

Descriptors: Algae; Coprecipitation; Heating; Hyperthermia therapy; Hysteresis; Magnetic bubbles; Magnetic materials; Magnetite; Nanomagnetics; Nanoparticles; Oxide minerals; Particle size; Polysaccharides; Self assembly; *Magnetic field effects

Identifiers: Alternating current; Applied magnetic fields; Cancer therapy; Chemical co-precipitation; Concentration of; Heat efficiency, Heating efficiencies; High heating efficiency; Hysteresis loss; In-situ; In-vitro; Magnetic hyperthermia; Magnetic particle; Magnetite nanoparticles; Precipitation methods; Temperature increase

Dialog eLink: USPTO Full Text Retrieval Options

2010 Elsevier B.V. All rights reserved.

24/5/31 (Item 3 from file: 8)
DIALOG(R)File 8: Ei Compendex(R)
(c) 2011 Elsevier Eng. Info. Inc. All rights reserved.

1210055368 E.I. COMPENDEX No: 20091812061329 Experimental and theoretical investigation of cubic FeCo nanoparticles for magnetic hyperthermia

Jing, Ying; Sohn, Hweerin; Kline, Timothy; Victora, Randall H.; Wang, Jian-Ping

Corresp. Author/Affil: Wang, J. -P.: Center for Micromagnetics and Information Technologies (MINT), Department of Electrical and Computer Engineering, University of Minnesota, Minneapolis, MN 55455, United States

Corresp. Author email: jpwang@umn.edu

Journal of Applied Physics (J Appl Phys) (United States) 2009 105/7

Publication Date: 20090428

Publisher: American Institute of Physics

CODEN: JAPIA ISSN: 0021-8979
Item Identifier (DOI): 10.1063/1.3074136

Article Number: 07B305

Document Type: Article; Journal Record Type: Abstract

Language: English Summary Language: English

Number of References: 14

Magnetic nanoparticles have great potential as heating elements for use in magnetic hyperthermia for cancer therapy and drug release. A problem with widely used magnetite and mag-hematite nanoparticles is the relatively low magnetization, which results in low heating efficiency. Here high-magnetic-moment Fe70 Co30 nanoparticles with a cubic shape were synthesized using a gas condensation sputtering technique for potential magnetic hyperthermia application. The mean size of nanoparticles was 12 nm with 13.6% standard deviation. Micromagnetic simulation of particles' experimental hysteresis loop suggests that their behavior is dominated by a uniaxial anisotropy. (c) 2009 American Institute of Physics.

Descriptors: Drug therapy; Electric heating elements; Heating; Hyperthermia therapy; Hysteresis; Iron ores; Magnetism; Magnetite; Nanoparticles; Oxide minerals; *Magnetic materials

Identifiers: Cancer therapies; Cubic shapes; Drug release; FeCo nanoparticles; Gas condensations; Heating efficiencies; Hematite nanoparticles; Magnetic hyperthermias; Magnetic nanoparticles; Mean sizes; Micro-magnetic simulations; Sputtering techniques; Standard deviations; Theoretical investigations; Uniaxial anisotropies

Dialog eLink: USPIO Full Text Rentect Dutions

24/5/40 (Item 6 from file: 2)

DIALOG(R)File 2: INSPEC
(c) 2011 The IET. All rights reserved.

11334483

Title: In-witro investigations of nanoparticle magnetic thermotherapy: adjuvant effects and comparison to conventional heating

Author(s): Pierce, Z.¹; Strawbridge, R.¹; Gaito, C.¹; Dulatas, L.²; Tate, J.²; Ogden, J.¹; Hoopes, P.J.¹
Affiliation(s):

1 Thayer Sch. of Eng., Dartmouth Coll., Hanover, NH, USA
Journal: Proceedings of the SPIE - The International Society

for Optical Engineering , vol.6440 , pp.64400J (6 pp.) **Publisher:** SPIE - The International Society for Optical Engineering

Country of Publication: US

Publication Date: 2007

Conference Title: Thermal Treatment of Tissue: Energy Delivery

and Assessment IV

Conference Date: 20 Jan. 2007

Conference Location: San Jose, CA, USA

ISSN: 0277-786X

ISSN Type: print CODEN: PSISDG

Item Identifier (DOI): 10.1117/12.710579

Language: English

Document Type: Conference Paper in Journal (PA)

Treatment: Practical (P); Experimental (X)

Abstract: Thermotherapy, particularly magnetic nanoparticle hyperthermia, is a promising modality both as a direct cancer cell killing and as a radiosensitization technique for adjuvant therapy. Dextran-coated iron oxide nanoparticles were mixed with multiple tumor cell lines in solution and exposed to varying magnetic field regimes and combined with traditional external radiotherapy. Heating of cell lines by water bath in temperature patterns comparable to those achieved by nanoparticle hyperthermia was conducted to assess the relative value of nanomagnetic thermotherapy compared with conventional bulk heating techniques and data. (10 refs.)

Subfile(s): A (Physics); B (Electrical & Electronic

Engineering)

Descriptors: cancer; cellular biophysics; hyperthermia; iron compounds; magnetic particles; nanobiotechnology; nanoparticles; radiation therapy; tumours

Identifiers: nanoparticle magnetic thermotherapy; adjuvant effects; conventional heating; magnetic nanoparticle hyperthermia; cancer cell killing; radiosensitization; dextrancoated iron oxide nanoparticles; tumor cell lines; radiotherapy; FeO

Classification Codes: A8770H (Radiation therapy); A8760D (Electric and magnetic fields (medical uses)); A8725 (Cellular biophysics); A8716 (Biothermics); A8783 (Nanotechnology applications in biomedicine); B7520C (Radiation therapy)

Dialog eLink: USPTO Full Tex Reviewal Options

24/5/44 (Item 10 from file: 2) DIALOG(R)File 2: INSPEC

(c) 2011 The IET. All rights reserved.

10576760

Title: Bifunctional gold nanoshells with a superparamagnetic iron oxide-silica core suitable for both MR imaging and photothermal therapy

Author(s): Ji, X.1; Shao, R.1; Elliott, A.M.; Stafford, R.J.; Esparza-Coss, E.; Bankson, J.A.; Liang, G.; Luo, Z.; Park, K.; Markert, J.T.; Li, C. Affiliation(s): Dept. of Exp. Diagnostic Imaging, Univ. of Texas M.D. Anderson Cancer Center, Houston, TX, USA Journal: Journal of Physical Chemistry C , vol.111 , no.17 , pp.6245-51 Publisher: ACS Country of Publication: USA Publication Date: 3 May 2007 1932-7447 ISSN: print ISSN Type: 1932-7447(20070503)111:17L.6245:BGNW:1-Z Item Identifier (DOI): 10.1021/jp0702245 Language: English Journal Paper (JP) Document Type: Treatment: Practical (P); Experimental (X) Abstract: We describe the synthesis, characterization, and use of hybrid nanoparticles with a superparamagnetic iron oxide (SPIO)-silica core and a gold nanoshell. These multifunctional nanoparticles, designated SPIO-Au nanoshells, displayed superparamagnetic characteristics and a significant absorbance in the near-infrared (NIR) region of the electromagnetic spectrum. In addition, they exhibited high transverse relaxivities, R2, and a large R_2/R_1 ratio, and therefore, they could be imaged by MRI to obtain T2-weighted images. Moreover, the SPIO-Au nanoshells showed efficient photothermal effects when exposed to NIR light. The use of SPIO-Au nanoshells, with their combination of unique magnetic and optical properties, should enhance the efficacy of nanoshell-mediated photothermal therapy by making it possible to direct more nanoparticles to tumors through the application of external magnetic field and by permitting real-time in vivo MRI imaging of the distribution of the nanoparticles before, during, and after photothermal therapy. (27 refs.) Subfile(s): A (Physics); B (Electrical & Electronic Engineering) biomedical materials; biomedical MRI; gold; Descriptors: infrared spectra; iron compounds; magnetic particles; nanoparticles; nanotechnology; photodynamic therapy; silicon compounds; spin-spin relaxation; superparamagnetism; tumours Identifiers: Fe₂O₃-SiO₂; Fe₂O₃-Au; spin-spin relaxation; vivo MRI imaging: optical properties: magnetic properties: photothermal effects; electromagnetic spectrum; near-infrared absorbance; photothermal therapy; SPIO-Au nanoshells; hybrid nanoparticles; superparamagnetic iron oxide-silica core; bifunctional gold nanoshells

NPL FULLTEXT SEARCH RESULTS:

? ds

Set S1	Items 89029	Description MASTODON? ? OR MAMMOTH? ? OR MAMMUTH? OR STEGODON? ? OR (PRIMITIVE OR PLEISTOCEME OR MICCEME OR LAST()ICE)()(AGE OR ERA
S2	1037066	OR YEAR?? OR PERIOD? ? OR TIME) BONE? ? OR VERTEBRA? OR RIB? ? OR FOSSIL? ? OR TUSK? ? OR SCAPULA? ? OR HUMERUS OR ULINA OR HIP()JOINT? ? OR FEMUR? ?
S3	34007	MICA? ? OR SHEET()SILICATE OR PHYLLOSILICATE OR (GLITTER? OR SILICATE OR CRYSTAL()LIKE)()MINERAL? ?
S4	19338	LOADSTONE? ? OR LODESTONE? ? OR MAGNETITE? ? OR NATURAL() MAGNET? ?
S5	638	ELVAN? ? OR QUARTZ()PORPHYRY OR PORPHYRIT?()ROCK? ?
S6	20235	HEMATITE OR HAEMATITE OR IRON()OXIDE OR RED()STONE(2N)(DAI- ()COUNTRY) OR FULCRUM()STONE? ? OR HAEMATITUM
s7	3252926	HEAL? ? OR HEALING OR HEALED OR THERAPY OR THERAPIES OR THERAPEUTIC? OR REVITALIZ? OR HOMEOPATH? OR HYDROTHERAP? OR SAUNA? ? OR HOT()(BATH? OR BOX OR BOXES OR WRAP? ?) OR
S8	124648	AROMATHERAP? (NATURAL OR HOLISTIC OR COMPLEMENTARY OR ALTERNATIVE OR IN- TEGRATIVE OR UNCONVENTIONAL OR HERBAL? OR MEDICINAL)()(MEDI-
S9	2487	CINE OR TREATMENT? ? OR REMEDY OR REMEDIES) S1(S)S2
S10	13	
S11	10	RD (unique items)
S12	123	
S13	123	\$12(\$)\$4:\$6
S14	38507	S7(S)S8
S15	7	\$14(\$)\$3:\$6
S16	7	RD (unique items)
S17	1572	
S18	102525	
S19	514	S18 AND (S3:S6)
S20	443	S19 AND S7
S21		S20 AND S8
S22	11	RD (unique items)
? sho	w files	
File		Group PROMT(R) 1990-2011/Mar 18 011 Gale/Cengage
File		Group PROMT(R) 1972-1989 999 The Gale Group
	(c) 21	Group Trade & Industry DB 1976-2011/Mar 23 011 Gale/Cengage
	(c) 21	Intelligence Wire 1995-2011/Mar 22 011 Fin. Times Ltd
	(c) 21	OM Pharm&Med DEVICE NEWS 2011/Mar W2 011 ESPICOM Bus.Intell.
	(c) 21	ealth&Wellness DB(SM) 1976-2011/Mar W2 011 Gale/Cengage
File	(c) 21	nform(R) 1971-2011/Mar 22 011 ProQuest Info&Learning
	(c) 2	ess Dateline(R) 1985-2011/Mar 22 011 ProQuest Info&Learning
File	(c) 21	x Weekly Reports 1995-2011/Mar W2 011 NewsRx Group Magazine DB(TM) 1959-2011/Feb 16
	(c) 21	oll Gale/Cengage ngland Journal of Med. 1985-2011/Mar W2
	(c) 21	oll Mass. Med. Soc. ancet 1992-2011/Mar W2
	(c) 21	Oll Elsevier Limited.All rights res (Archival) 1980-2011/Mar W3

```
(c) 2011 Informa UK Ltd
File 484: Periodical Abs Plustext 1986-2011/Mar 22
       (c) 2011 ProQuest
File 471:New York Times Fulltext 1980-2011/Mar 22
       (c) 2011 The New York Times
11/3,K/3 (Item 1 from file: 149)
DIALOG(R)File 149: TGG Health&Wellness DB(SM)
(c) 2011 Gale/Cengage. All rights reserved.
03473235
             Supplier Number: 171295213 (USE FORMAT 7 OR 9 FOR
FULL TEXT )
The Sweat Lodge: the house of the stone people: Lakota lineage
holder Paul GhostHorse gives us insight into the purifying
ritual.
GhostHorse, Paul
New Life Journal , 8 , 10 , 8(2)
Oct , 2007
Publication Format: Magazine/Journal
Language: English
Record Type: Fulltext Target Audience: Consumer
Word Count: 1119
                   Line Count: 00085
Text .
... Magazine wrote years ago about the discovery in Siberia of
structures
made from the rib bones of mastodons with piles of stones in
each center. In Finland it's called a sauna. Naturopathic
physicians
call it hydrotherapy. My Lakota grandfather called it Tunkan Ti,
the house
of...
Dialog eLink: USP10 Full Tex Remeval Options
11/3,K/4 (Item 1 from file: 15)
DIALOG(R)File 15: ABI/Inform(R)
(c) 2011 ProQuest Info&Learning. All rights reserved.
04280301
                     1180027511
Awards 454 Life Sciences named to 2006 Scientific American 50
Anonymous
Genetics & Environmental Business Week pp: 14
Dec 21, 2006
ISSN: 1552-5651 Journal Code: GVBW
Word Count: 531
Text:
...cancer-associated genetic variations at the molecular level to
potentially enable the personalization of targeted therapies and
sequencing ancient DNA from fossils to enable mapping the genome
```

of

```
species, such as the Wooly Mammoth and Neandertal.
11/3,K/8 (Item 1 from file: 484)
DIALOG(R)File 484: Periodical Abs Plustext
(c) 2011 ProQuest. All rights reserved.
05846791
                 Supplier Number: 269364311 (USE FORMAT 7 OR 9
FOR FULLTEXT )
Mammoth as mascot
Mayor, Adrienne
American Scientist (IASC), v91 n1, p 82-83
Jan/Feb 2003
ISSN: 0003-0996
Journal Code: IASC
Document Type: Book Review-Favorable
Language: English
Record Type: Fulltext; Abstract
Word Count: 1220
TEXT:
...be used in medicine into the 18th century in Europe;
apothecaries
eagerly attended excavations of mammoth skeletons to gather
bones and teeth to pulverize into healing infusions, and many
kept a mammoth tusk chained to the counter for scrapings.
     In Part Three, "Stories," Cohen paints a panorama of ...
11/3.K/9 (Item 2 from file: 484)
DIALOG(R) File 484: Periodical Abs Plustext
(c) 2011 ProOuest. All rights reserved.
01113650 (USE FORMAT 7 OR 9 FOR FULLTEXT )
Tubiakou's Spirit Flight
Milovsky, Alexander S
Natural History (GNAH), p 34-41, p. 8
Jul 1992
ISSN: 0028-0712
                     Journal Code: GNAH
Document Type: Feature
Language: English
                              Record Type: Fulltext; Abstract
Word Count: 3067 Length: Long (31+ col inches)
TEXT.
...appropriately colored wooden frame. The lower world, on the
other hand,
requires one made of mammoth bone, because all the spirits
there are mammothlike.
     Shamans used to heal only their clansmen or relatives, but
the nineteenth century it became part of professional...
16/3,K/6 (Item 6 from file: 135)
DIALOG(R)File 135: NewsRx Weekly Reports
(c) 2011 NewsRx. All rights reserved.
```

0001458843 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Studies from Tianjin University add new findings in the area of magnetic resonance imaging therapy

Biotech Business Week, February 1, 2010, p.2681

DOCUMENT TYPE: Expanded Reporting LANGUAGE: English RECORD TYPE: FULLTEXT WORD COUNT: 453

TEXT:

... from Tianjin, People's Republic of China, "Magnetic iron oxide nanoparticles (MNP) coated with gum arabic (GA), a biocompatible phytochemical glycoprotein widely used in the food industry, were successfully synthesized and characterized.... Therapy). GA-coated MNP (GA-MNP) displayed a narrow hydrodynamic particle size distribution averaging about 100 nm; a GA content of 15.6% by dry weight; a saturation magnetization of 93.1 emu/g Fe; and.... Imaging, Therapy, Treatment. This article was prepared by Biotech Business Week editors from staff and other reports. Copyright 2010, Biotech Business Week via NewsRx.com& NewsRx.net.

22/3,K/9 (Item 2 from file: 149)
DIALOG(R)File 149: TGG Health&Wellness DB(SM)
(c) 2011 Gale/Cengage. All rights reserved.

Magnetic therapy: plausible attraction? (includes an excerpt from the paper 'Magnetotherapy, the Latest Magic Touch') (Cover Story)

Livingston, James D. Skeptical Inquirer , v22 , n4 , p25(7) July-August , 1998

Document Type: Cover Story **Publication Format:** Magazine/Journal ISSN: 0194-6730

Language: English

Record Type: Fulltext; Abstract Target Audience: Academic;

Consumer
Word Count: 5571 Line Count: 00455

Magnetic therapy: plausible attraction? (includes an excerpt from the paper 'Magnetotherapy, the Latest Magic Touch') (Cover Story) Abstract: ...Medicine has tentatively concluded that permanent magnets decrease pain among post-polio sufferers. Although magnetic therapy has been at the forefront of the Japanese and Chinese health industries, its association with.....Vallbona's study has made some former skeptics adopt a more open view regarding the therapeutic effects of permanent magnets.

Abstract:

Toyt .

Long considered only a **component** of quack **medicine**, magnetic **therapy** has received a boost from a recent study at the Baylor College of Medicine. Is...

 \ldots tennis magazines. Long a significant component of the health industry in

Japan and China, magnetic **therapy** is becoming a more and more visible part of the **alternative-medicine** boom in the United States and Europe. Is it all just hokum, as many previously assumed, or is

magnetic therapy becoming scientifically respectable?
 Early History

For thousands of years, wonder and magic were associated with the $% \left(1\right) =\left(1\right) \left(1\right)$

mysterious forces exerted by natural magnets - magnetite-rich rocks, today called lodestones. Many trace magnetic therapy back to Paracelsus (1493-1543), a physician and alchemist who reasoned that since magnets have...

 \dots also aware of the important role of the patient's \min in the process of

 $\ensuremath{\mathbf{healing}}$ (Buranelli 1975). He wrote, "The spirit is the master, the

imagination is the instrument, the ...

...effect.

The development in eighteenth-century England of carbonsteel

permanent magnets more powerful than **lodestones** brought renewed interest in the possible **healing** powers of magnets, and among those

interested was Maximilian Hell, a professor of astronomy at...

 \dots today list mesmerism as a synonym for hypnotism.) One American who

became interested in magnetic $\boldsymbol{healing}$ was Daniel David Palmer, who

opened Palmer's School of Magnetic Cure in Iowa in the 1890s. His ideas

developed into the system of hands-on **therapy** known as chiropractic.

Others focused on hand gestures without actual touch, an approach recently $% \left(1\right) =\left(1\right) \left(1\right)$

reborn as "therapeutic touch." (See "Catching Up With Eighteenth Century Science in the Evaluation of **Therapeutic** Touch," by Thomas

S. Ball and Dean D. Alexander, this issue, p. 31) Mary Baker...

```
...century impressed the general public with the mysterious
powers of
electric and magnetic fields, and therapeutic magnets had a
rebirth.
with many "doctors" promoting magnets to relieve pain, enhance
sleep, and
...technology, but they have also restimulated interest in the
permanent magnets for magnetic therapy. Most magnetic therapy
products today, like most refrigerator magnets, contain
inexpensive ferrite
magnets, but many suppliers offer neodymium "supermagnets" in
their
top-of-the-line products.
     Magnetic Therapy Today
     Both ferrite and rare-earth magnets, unlike earlier magnetic
materials
such as steels and...are formed from silver- and gold-rich
magnetic alloys
and promoted as both fashionable and therapeutic. One catalog
claims
magnetic earrings "stimulate nerve endings that are associated
with head
and neck
...influence the whole body" and "our method can cure all types
of cancer."
     Many magnetic therapy products have alternating arrays of
and south poles facing the patient. Some have detailed ...
...that a pole that seeks south must be a north pole. (Here
practitioners
of magnetic therapy are perhaps more logical than mainstream
science, which calls the south-seeking pole a south ...
...rules were reversed in the southern hemisphere.
     One of the most ardent advocates of magnetic therapy is Dr.
William Philpott of Oklahoma, who publishes his own Magnetic
Energy
Quarterly. He is...
... Nevada, a nonprofit "research and educational organization"
advisor to the NIH Office of Alternative Medicine. His wife
happens to have a business selling "Polar Power Magnets." Dr.
Ronald.
Lawrence of California is President of the North American Academy
Magnetic Therapy and reports that he has successfully used
magnets
```

to relieve pain in hundreds of his...

 \dots Tectonic Magnets." Both Dr. Philport and Dr. Lawrence favor unipolar

magnets.

The efficacy of magnetic **therapy** (or of any other medical treatment, mainstream or alternative) does not depend on our understanding

the biological mechanism. Nevertheless most promoters of magnetic **therapy** recognize the need for offering some plausible explanation.

The mechanism most commonly offered for various therapeutic

of magnets is improved blood circulation, despite a lack of clear evidence for such...

...have decreased as much as 30 percent over the last millennium. He argues

that magnetic **therapy** simply provides some of the magnetic field that the earth has lost.

Magnetic **therapy** is also prominent in the treatment of thoroughbred racehorses. An injured racehorse represents potential loss of

a substantial investment, providing considerable incentive to try $\ddot{}$

alternative medicine" to supplement mainstream veterinary treatment. Magnetic pads for a variety of leg problems, magnetic blankets

. . .

...but forget that it may influence the human who is interpreting the effect of magnetic **therapy** on the animal.

The Baylor Study

These examples and the centuries-old connection between magnets and $% \left(1\right) =\left(1\right) +\left(1\right)$

quackery, have led many to consider modern magnetic $\boldsymbol{therapy}$ as total

hokum, with the many testimonials for the success of magnetic treatments explainable by...

 \ldots magnets, and which were shams. Before and after the forty-five-minute

period of magnet **therapy**, the patients were asked to grade their pain on a scale from 0 to 10...

...of distinguishing active magnets from sham magnets (although

patients were reportedly observed during the **therapy** period to assure that they were not surreptitiously testing their magnets). Another

difficulty of anyDr. William Jarvis, president of the National Council Against Health. Fraud, had formerly dismissed magnet therapy as "essentially quackery." He now tentatively admits that it may have value for post-polio pain. More studies will be needed before magnetic therapy will be accepted by a majority of the medical community, and some studies already underway. Last year the NIH Office of Alternative Medicine gave a million-dollar grant to Dr. Ann Gill Taylor of School of Nursingwhat we know about magnetic fields and the human body make it plausible that magnetic therapy for pain might have a physical basis beyond mind/body effects? Magnetic Fields and the gauss (1 tesla). Unfortunately, research has been very limited at field levels typical of magnetic therapy products, most of which are limited to a few hundred gauss, even at the magnetwater molecules once again become nonmagnetic. (We perhaps should note that some promoters of magnetic therapy also promote "magnetized water." You can't magnetize water. Although water responds weakly to an... ...of that magnitude are required to balance gravitational forces, the much lower fields of magnetic-therapy devices can only produce diamagnetic forces that are thousands of times smaller than gravity. (The ...diamagnetic, many organisms have been shown to contain small amounts of strongly magnetic materials, usually magnetite ((Fe.sub.3)(O.sub.4)). The most extreme case is that of magnetotactic

...in mud collected from the marshes of Cape Cod. Each contains a long

 $\operatorname{cha\bar{i}n}$ of $\boldsymbol{magnetite}$ particles that interact strongly enough with the

earth's magnetic field to orient the bacteria along the field. Magnetite crystals have also been found in pigeons, honeybees, many

mammals, and even in the human...

bacteria...

 \dots much smaller amounts than in the bacteria. It seems very unlikely that

there is enough magnetite within the human body to provide a possible mechanism to explain magnetic therapy. However, if magnetite particles were located at strategic places, they could locally amplify the effects of low magnetic...

...subtle effects on biochemical reactions (Frankel and Liburdy 1996).

Although no physical mechanisms for magnetic **therapy** have been established, the possibilities are numerous and complex. Only further

clinical tests, carefully controlled...

 $\dots\mbox{dispute}$ the results of the Baylor study and prove or disprove the claims

of magnetic therapy.

Some media reports have not sufficiently distinguished the Baylor form

of magnetic **therapy**, based on modest static fields from permanent magnets, with a more accepted form of "magnetic **therapy**" based on high pulsed magnetic fields from electromagnets (Malmivuo and Plonsey

1995). Pulsed magnetic fields...

PATENT SEARCH RESULTS:

? ds

Set	Items	Description
Sl	146	MASTODON? ? OR MAMMOTH? ? OR MAMMUTH? OR STEGODON? ? OR
		(PRIMITIVE OR PLEISTOCENE OR MIOCENE OR LAST()ICE)()(AGE OR ERA
		OR YEAR? ? OR PERIOD? ? OR TIME)
S2	775144	BONE? ? OR VERTEBRA? OR RIB? ? OR FOSSIL? ? OR TUSK? ? OR
		SCAPULA? ? OR HUMERUS OR ULNA OR HIP()JOINT? ? OR FEMUR? ?
S3	67065	MICA? ? OR SHEET()SILICATE OR PHYLLOSILICATE OR (GLITTER?
		OR SILICATE OR CRYSTAL()LIKE)()MINERAL? ?
S4	10680	LOADSTONE? ? OR LODESTONE? ? OR MAGNETITE? ? OR NATURAL()
		MAGNET? ?
S5	1730	ELVAN? ? OR QUARTZ()PORPHYRY OR PORPHYRIT?()ROCK? ?
S6	84110	HEMATITE OR HAEMATITE OR IRON()OXIDE OR RED()STONE(2N)(DAI
		()COUNTRY) OR FULCRUM()STONE? ? OR HAEMATITUM
S7	324902	HEAL? ? OR HEALING OR HEALED OR THERAPY OR THERAPIES OR
		THERAPEUTIC? OR REVITALIZ? OR HOMEOPATH? OR HYDROTHERAP? OR
		SAUNA? ? OR HOT()(BATH? OR BOX OR BOXES OR WRAP? ?) OR
		AROMATHERAP?
S8	54822	(NATURAL OR HOLISTIC OR COMPLEMENTARY OR ALTERNATIVE OR IN-
		TEGRATIVE OR UNCONVENTIONAL OR HERBAL? OR MEDICINAL) () (MEDI-
	_	CINE OR TREATMENT? ? OR REMEDY OR REMEDIES)
S9	5	S1(S)S2
S10	321819	(MEDICIN? OR THERAP? OR PHARMA?) (5N) (SUBSTANC? OR ELEMENT? ?
		OR COMPONENT? ? OR COMPOUND? ?)
S11	4348	S7(S)S8
S12	157	
S13	104304	IC=A61H?
S14	5	S12 AND S13

? show files

File 350:Derwent WPIX 1963-2011/UD-201118 (c) 2011 Thomson Reuters File 347:JAPIO Dec 1976-2010/Hov/Updated 110228) (c) 2011 UPO & JAPIO File 325:Chinese Patents Fulltext 1985-20110223 (c) 2011. So 1924 Benelux NV.

9/25/2 (Item 2 from file: 350) DIALOG(R)File 350: Derwent WPIX (c) 2011 Thomson Reuters. All rights reserved.

0013085462 Drawing available WPI Acc no: 2003-166075/200316 XRAM Acc no: C2003-043071 XRPX Acc No: N2003-131159

Device useful for providing therapeutic healing contains a lower mat, an upper cover, at least one herb essence supplier and an air pump

Patent Assignee: PARK J M H (PARK-I); PARK M H (PARK-I)

Inventor: PARK J M H; PARK M H

Pat	ent	Family ((2 pa	atents, 2	countr:	ies)
Pa	tent	Number	Kind	Date	Update	Туре
US	2002	20160057	A1	20021031	200316	В
KR	2002	2082700	A	20021031	200319	E

Local Applications (no., kind, date): US 2001900262 A 20010707; KR 200122428 A 20010425

Priority Applications (no., kind, date): KR 200122428 A 20010425 Alerting Abstract US A1

NOVELTY - A device (D1) contains a lower mat (3), an upper cover (2), at least one herb essence supplier (41-44) and an air pump (30). (2) is coupled to (3) to form an interior space for placing the body. (41-44) Has an inlet and an outlet, the outlet in gaseous communication with the interior space provides herb essence to the interior space. (30) Is connected to the inlet of (41-44) for supplying air to the interior space. DESCRIPTION - An INDEPENDENT CLAIM is also included for a device (D2) for eliminating poisons and pollutants from the human body and for revitalizing cells, comprising (2), (3), (41-44) or (30). (2) Is adjustable in different temperature and forms a first five-primary substance stone coating layer; (3) is adjustable in different temperature and forms vibrators and a second fiveprimary substance stone coating layer; (2) and (3) form an interior space; (41-44) are connected to the interior space formed by the (2) and (3), (41-44) have a discharge outlet

connected to the interior space; (30) is connected to (41-44) for supplying air.

USE - For eliminating poisons and pollutants from the human body and for revitalizing cells; for preventing numerous diseases generated by the pollution of blood and water or the destruction of cells in the human body.

ADVANTAGE - The device reproduce new activated cells and increase immunity against disease by enhancing disease preventing capability and natural healing power.

 ${\tt DESCRIPTION}$ OF DRAWINGS - The figure shows perspective view of a device.

- 2 Upper cover
- 3 Lower mat
- 30 Air pump
- 41-44 Herb essence suppliers.
- 14/25/1 (Item 1 from file: 350)
- DIALOG(R)File 350: Derwent WPIX
- (c) 2011 Thomson Reuters. All rights reserved.

0008136320

WPI Acc no: 1997-236393/199722

XRAM Acc no: C1997-075880

XRPX Acc No: N1997-195415

Foot massage medicine in tablet form

Patent Assignee: ZHANG L (ZHAN-I)

Inventor: ZHANG L

Patent Family (1 patents, 1 countries)

Patent	Number	Kind	Date	Update	Type
CN 109	3938	A	19950222	199722	В

Local Applications (no., kind, date): CN 1994106855 A 19940618 Priority Applications (no., kind, date): CN 1994106855 A 19940618 Alerting Abstract CN A

Medicine for massaging the sole of a foot is made from 9 Chinesemedicinal components such as magnetite, dragon's bone, oyster shell, radix morindae officinalis and cistanche by grinding, sieving and forming tablets, or blocks or pieces by use of adhesive. The tablets are spread out and covered by a soft thin material.

USE - The medicine combines massage, magnetotherapy, pharmacotherapy and movement for treating hypertension, giddiness, tinnitus, frequency of urination and impotence.

Dialog eLink: Order File History PDF Download 14/5/2 (Item 1 from file: 325) DIALOG(R)File 325: Chinese Patents Fulltext (c) 2011. SciPat Benelux NV. All rights reserved. 0004210033

SciPat Acc No: CN201631631U Drawing available

Temperature adjustable health care stone

					Pater	nt Public	cati	ons			
		Pat	ent	Number	Kind	Date	App	plication	Number	Kind	Date
Main	Patent:	CN	2016	531631	U	2010111	7 CN	20092021	4927	U	20091231

		Inte	rnational	. Patent	: Classif:	ication		
IPC	Class Level	Scope	Position	Status	Version Date	Action Date	Source	Office
A61H - 0039/04	A	I	F	В	20060101	20101119	Н	CN
A61H-00 39/06	А	I	L	В	20060101	20101119	Н	CN

Record Type (Availability): ABSTRACT SPECIFICATION CLAIMS IMAGE

Word Count: 1372

Publication Language: CHINESE

Translation Language: Human Assisted Machine Translation to English

Abstract:

This utility model claims a temperature adjustable health care stone it comprises base plate tube filling layer the cobblestone water mixing device water collecting segregator wherein said base layer is laid on the disk pipe coil is pebble is set in the middle of the filling layer on the pipe coil is connected with the water mixing device and the water collector. Adopting said structure of this utility model compared with existing technology in the pebble bottom there is a heat-supply serpentine tube which can make the pebble at any time are it is suitable for keeping the temperature greatly prolong the using time and range.

Dialog eLink: Order File History PDF Download 14/5/4 (Item 3 from file: 325) DIALOG(R)File 325: Chinese Patents Fulltext (c) 2011. SciPat Benelux NV. All rights reserved. 0000408975 SciPat Acc No: CN2234794Y Drawing available

Trace element ion strong therapeutical device

Patent Assignee (name, country): LUO LIANSHENG, CN
Inventor (name, country): LIANSHENG LUO, CN; SHIMING YAN, CN

				Pater	nt Publica	atio	ons			
	Pat	tent	Number	Kind	Date	App	lication	Number	Kind	Date
Main Paten	t: CN	223	4794	Y	19960911	CN	199521691	. 4	U	19950706

	·	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,	,	Classif:	¿	<i></i>	<i></i>
IPC	Class Level	Scope	Position	Status	Version Date	Action Date	Source	Office
A61M- 037/00			Main		"Version 7"			
A61H - 023/02			Secondary		"Version 7"			
A61M- 0037/00	С	I		R	200601 01	20051110	М	EP
A61H- 0023/02	С	I		R	20060101	2005111 0	М	EP
A61H - 0023/02	A	I		R	20060101	20051110	М	EP
A61M- 0037/ 00	A	I		R	20060101	2005111 0	М	EP

Record Type (Availability): ABSTRACT SPECIFICATION CLAIMS IMAGE

Word Count: 1248

Publication Language: CHINESE

Translation Language: Human Assisted Machine Translation to English

Abstract:

The utility model discloses a trace element ion strong therapeutical device, which makes use of heat which is generated by electromagnetic induction on the upper part of the original strong magnetism and strong vibration physio therapy device. On the basis of the heat which is used, two trace element medicine boxes which are provided with element medicine bags are arranged on the utility model. When the utility model is used, trace element ions which are beneficial for human bodies in the element medicine bags can be led to permeate the human bodies under the action of thermal energy and massage. So the purposes of the enlargement of treatment range and the enhancement of treatment effect can be achieved.

Legal Status Count: 2

Date	Legal Event	Details
	cessation of patent right (cessation of patent right due to non-payment of the annual fee)	App Date: 19950706

18/25/1 (Item 1 from file: 350) DIALOG(R)File 350: Derwent WPIX

(c) 2011 Thomson Reuters. All rights reserved.

0021252892 Drawing available

WPI Acc no: 2010-N79993/201082

Five element medicine magnetic pillow, has pillow core comprising three independent hollow inner bags, and physical therapy convex head fixed on surface of hollow inner bag in middle part of pillow core

Patent Assignee: QIU Y (QIUY-I)

Inventor: QIU Y, CN

Local Applications (no., kind, date): CN 200920315643 U 20091124 Priority Applications (no., kind, date): CN 200920315643 U 20091124

Alerting Abstract CN U

NOVELTY - The pillow has a pillow core placed with three independent hollow inner bags, where a long edge on both sides of the pillow core is designed in a crescent moon shape. A physical therapy convex head is fixed on a surface of the hollow inner bag in a middle part of the pillow core. Multiple traditional Chinese medicines are prepared based on five elements and far infrared biocarbon magnetic flux tube particles and provided on the hollow inner bags at both sides of the pillow core, respectively. The physical therapy convex head is made of magnetite and natural other.

USE - Five element medicine magnetic pillow.

ADVANTAGE - The pillow core is designed in double-side crescent moon shape, thus ensuring supporting and positioning between cervical vertebra and shoulder in sleeping posture of laying on one side of a human body, and preventing damage caused by neck and shoulder syndrome, and hence improving sleeping quality and recovering blood supply environment of neck and brain. The hollow inner bags and contents form a five-element magnetic field effect, so that yin and yang are balanced and cooperation of the body can be realized. The magnetite and other are arranged in

sequence at an interval, thus facilitating interaction between the five-element medicine on side of the inner bag and the far infrared biocarbon magnetic flux tube, exerting more medicine functions, and enabling bidirectional adjustment of head, neck and seven orifices.

DESCRIPTION OF DRAWINGS - The drawing shows a top partial sectional view of a five element medicine magnetic pillow.

18/25/2 (Item 2 from file: 350) DIALOG(R)File 350: Derwent WPIX (c) 2011 Thomson Reuters. All rights reserved.

0020725735

RII 2383349

WPI Acc no: 2010-C54666/201050

C1

Wound-healing medication and method of obtaining which includes active substance - nanoparticles

Patent Assignee: AS SIBE OIL CHEM INST (ASIO)

Inventor: DAMBAEV G TS; SIROTKIN S S; SIROTKINA E E; ULBRIKHT V A

20100310 201050 B

Patent Family (1 patents, 1 countries)

Patent Number Kind Date Update Type

Local Applications (no., kind, date): RU 2008132200 A 20080804 Priority Applications (no., kind, date): RU 2008132200 A 20080804 Alerting Abstract RU C1

NOVELTY Invention relates to wound-healing medication, which includes active substance - nanoparticles, containing 98-99% of iron oxide-hydroxide (IOH) and oxides of silicon, aluminium, calcium, isolated from underground waters on deironing stations, polyvinyl alcohol and water. Invention also relates to method of obtaining wound-healing medication, which includes mixing of components and processing of suspension with ultrasound. USE - Medicine.

ADVANTAGE - Invention allows to obtain medication possessing wound- **healing** and bactericidal properties of prolonged action. 2 cl, 1 tbl, 2 ex

18/25/3 (Item 3 from file: 350) DIALOG(R)File 350: Derwent WPIX (c) 2011 Thomson Reuters. All rights reserved.

0020304751

WPI Acc no: 2010-B59684/201027

Fortified selenium and germanium enriched high-efficiency bra useful for preventing and/or treating cancer and mammary disease, comprises bra medical core and high-content organic selenium and germanium mycelium dried powder

Patent Assignee: CHENG J (CHEN-I)
Inventor: CHENG G; CHENG J; CHENG L

Patent	Family	(1 p	oatents,	l countr	ies)
Patent	Number	Kind	Date	Update	Type
CN 1016	37311	A	20100203	201027	В

Local Applications (no., kind, date): CN 200910033808 A 20090616 Priority Applications (no., kind, date): CN 200910033808 A 20090616

Alerting Abstract CN A

NOVELTY - Fortified selenium and germanium enriched highefficiency anticancer life-prolonging bra comprises bra medical core and high-content organic selenium and germanium mycelium dried powder. The bra medical core is obtained by adding bee mixed powder, traditional Chinese medicine fine powder, eruptive rock containing aluminosilicate and copper nitride. The high-content organic selenium and germanium mycelium dried powder is obtained by transforming the substance in the bra using Saccharomyces or Ganoderma lucidium edible fungi, selenium and germanium enriched microorganism.

ACTIVITY - Cytostatic.

USE - The fortified selenium and germanium enriched highefficiency bra is useful for preventing and/or treating cancer (claimed) and mammary disease. ADVANTAGE - The fortified selenium and germanium enriched highefficiency bra strengthens the health of women.

Dialog eLink: Order File History PDF Download 18/5/24 (Item 17 from file: 325) DIALOG(R)File 325: Chinese Patents Fulltext (c) 2011. SciPat Benelux NV. All rights reserved. 000283874

SciPat Acc No: CN101284065A

Chinese medicinal composition for treating the prostatitis and preparation method thereof

Patent Assignee (name, country): SECOND AFFILIATED HOSPITAL OF, CN

Inventor (name, country): ZHIQIANG CHEN, CN

			Paten	t Publica	Publications					
minoronanionaniononiono	Paten	: Number	Kind	Date	App	lication	Number	Kind	Date	
Main Patent:	CN 10:	1284065	A	20081015	CN	20071009	0216	A	20070413	

09/900262

IPC	IPC Class Scope Position		Status	Version Date	Action Date	Source	Office	
A61K- 0035/56	С	I	L	В	200601 01	20081015	Н	CN
A61K- 0036/185	С	I	F	В	20060101	20081015	Н	CN
A61K- 0009/48	С	I	L	В	20060101	20081015	Н	CN
A61K- 0009/20	С	I	L	В	20060101	20081015	Н	CN
A61K-00 09/10	С	I	L	В	20060101	20081015	Н	CN
A61K- 0009/08	C< td>I	L	В	20060101	20081015	HCN		
A61K- 0009/16	С	I	L	В	20060101	20081015	Н	CN
A61P- 0013/00	С	I	L	В	20060101< td>20081015	Н	CN	
A61K- 0009/14	С	I	L	В	20060101	20081015	Н	CN
A61K- 0009/48	A	I	L	В	200601 01 20081015		Н	CN
A61K- 0035/56	A	I	L	В	в 20060101		CN	
A61K- 0009/10	A	I	L	В	20060101	20081015	н	CN
A61K- 0009/20	A	I	L	В	200601 01	20081015	Н	CN
A61P- 0013/08	A	I	L	В	20060101	20081015< td>H	CN	
A61K- 0009/14	A	I	L	В	20060101	20081015	Н	CN
A61K- 0009/08	A	I	L	В	200601 01		Н	CN
A61K- 0009/16	A	I	L	В	20060101	20081015< td>H	CN	
A61K- 0036/756	A	I	F	В	20060101	20081015	н	CN

Record Type (Availability): ABSTRACT SPECIFICATION CLAIMS

Word Count: 18864

Publication Language: CHINESE

Translation Language: Human Assisted Machine Translation to English

Abstract:

The invention provides a medicine for treating prostatitis and a preparation method thereof. The Chinese traditional medicine is prepared from amur corktree, turtle shell, cowherb seed, talcum powder, banksian rose and twotooth achyranthes root by extracting and obtaining the inventive preparation. The medicine has effects of clearing away heat, nourishing yin, promoting urination and removing blood stasis, and can be mainly used for treating prostatitis, particularly chronic prostatitis.

Dialog eLink: Order File History PDF Download
18/5/25 (Item 18 from file: 325)
DIALOG(R)Ffile 325: Chinese Patents Fulltext
(c) 2011. SciPat Benelux NV. All rights reserved.
0002800027
SciPat Acc No: CN101269125A

Chinese medicine composition for treating hypertension

Patent Assignee (name, country): ZHEN HAN, CN Inventor (name, country): ZHEN HAN, CN

			Paten	t Publica	tion	s			
Pat	tent 1	Number	Kind	Date	Appl	icatio	Number	Kind	Date
Main Patent: CN	10126	59125	A	20080924	CN 2	008100	14938	A	20080403

09/900262

International Patent Classification										
IPC	Class Level	Scope	Position	Status	Version Date	Action Date	Source	Office		
A61K- 0036/185	С	I	F	В	20060 101	20080924	Н	CN		
A61P- 0009/00	c	I	L	В	20060101	20080924	Н	CN		
A61K- 0035/56	С	I	L	В	20060101	20080924	Н	CN		
A61K- 0033/26	С	I	L	В	20060101	20080924	Н	СИ		
A61K- 0035/56	A	I	L	В	01		Н	СИ		
A61P- 0009/12	A	I	L	В	20060101	20080924< td>H	CN			
A61K- 0036/704	A	I	F	В	20060101	20080924	Н	CN		
A61K- 0033/26	A	I	L	В	20060 101	20080924	Н	CN		

Record Type (Availability): ABSTRACT SPECIFICATION CLAIMS

Word Count: 2356

Publication Language: CHINESE

Translation Language: Human Assisted Machine Translation to

English Abstract:

The invention relates to a traditional Chinese medicine compound for treating hypertension, which belongs to a traditional Chinese medicine and is characterized in that the weight of active ingredients for the prepared medicine is as follows: 5 to 15 grams of rhizome liqustici wallichii, 5 to 15 grams of epimedium, 5 to 15 grams of eucommia bark, 5 to 15 grams of tortoise plastron, 5 to 15 grams of Lingustrum lucidum Ait, 10 to 20 grams of fleece-flower root, 10 to 20 grams of salvia miltiorrhiza, 25 to 35 grams of viscum album, 25 to 35 grams of magnetite and 10 to 20 grams of ormer. The traditional Chinese medicine compound for treating hypertension can tonify qi, activate blood circulation, relax the muscles and joints, soften blood vessels, activate the heart and relax the pulse. Over 150 cases of hypertension clinical research prove that 5 to 15 days of dosage sees a steady decline in blood pressure and obviously improves symptoms of headache, dizziness, heart-throb, chest distress and hypodynamia and 1 or 2 periods of treatment witnesses a steady blood pressure and normal blood-fat and blood viscosity. The traditional Chinese medicine compound for treating hypertension can prevent and cure stroke, hemiplegy and arteriosclerosis

effectively and the cure rate can reach as high as 97.8 percent. The traditional Chinese medicine compound for treating hypertension thoroughly solves the difficult medical problem that hypertension is recurrent and chronically hard to cure.